

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 08/434,105  
Source: IFW/6  
Date Processed by STIC: 10/27/2006

***ENTERED***



IFW16

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION:** US/08/434,105

**DATE:** 10/27/2006  
**TIME:** 10:10:14

**Input Set :** A:\41785.txt  
**Output Set:** N:\CRF4\10272006\H434105.raw

3 <110> APPLICANT: Fischhoff, et al.  
 5 <120> TITLE OF INVENTION: SYNTHETIC PLANT GENES AND METHOD FOR PREPARATION  
 7 <130> FILE REFERENCE: 28079/41785  
 9 <140> CURRENT APPLICATION NUMBER: US 08/434,105  
 10 <141> CURRENT FILING DATE: 1995-05-03  
 12 <150> PRIOR APPLICATION NUMBER: US 07/959,506  
 13 <151> PRIOR FILING DATE: 1992-10-09  
 15 <150> PRIOR APPLICATION NUMBER: US 07/476,661  
 16 <151> PRIOR FILING DATE: 1990-02-12  
 18 <150> PRIOR APPLICATION NUMBER: US 07/315,355  
 19 <151> PRIOR FILING DATE: 1989-02-24  
 21 <160> NUMBER OF SEQ ID NOS: 40  
 23 <170> SOFTWARE: PatentIn version 3.3  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 1743  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Artificial sequence  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Synthetic nucleotide sequence encoding Btk HD-1 insecticidal protein  
 32 (cry1Ab), described in Example 1, and set forth in the lower line of  
 33 Figure 2  
 35 <400> SEQUENCE: 1  
 36 atggctataag aaactgttta caccccaatc gatatttcct tgcgtcta ac gcaattttctt 60  
 38 ttgagtgaat ttgttcccg tgctggatt gtgttaggac tagttgat tatctggga 120  
 40 attttggtc cctctcaatg ggacgcattt ctgtacaaa ttgaacagct catcaaccag 180  
 42 agaatcgaag agttcgctag gaatcaagcc atttcttagat tagaaggact aagcaatctt 240  
 44 tatacaaattt acgcagaatc ttttagagag tgggaagcag atcctactaa tccagcatta 300  
 46 agagaagaga tgcgtattca attcaatgac atgaacagtg cccttacaac cgctattcct 360  
 48 cttttgcag ttcaaaaattt tcaagttcct ctcctctccg tgtacgttca agctgccaac 420  
 50 ctccacctct cagtttgag agatgttca gtgttggac aaaggtgggg atttgatgcc 480  
 52 gcgactatca atagtcgtta taatgattt actagctta ttggcaacta tacagatcat 540  
 54 gctgtacgct ggtacaatac gggatttagag cgtgtatggg gaccggattc tagagattgg 600  
 56 atcaggtaca accagttcag aagagagctt acactaactg tattagatat cgtttctcta 660  
 58 tttccgaact atgatagtag aacgtatcca attcgaacag tttcccaatt aacaagagaa 720  
 60 atttatacaa acccagtatt agaaaatttt gatggtagtt ttgcaggctc ggctcagggc 780  
 62 atagaaggaa gtattaggag tccacatttt atggatatac ttaatagtat aaccatctat 840  
 64 acgatgctc atagaggaga atactactgg tccggtcacc agatcatggc ttctcctgtat 900  
 66 gggtttcgg ggcagaatt cactttccg ctatatggaa ctatggaaa tgcagctcca 960  
 68 caacaacgta ttgttgcata actaggtcag ggcgtgtata gaacattatc gtccacctta 1020  
 70 tatagaagac ctttaacat cggatcaac aaccaacaac tatctgttct tgacgggaca 1080  
 72 gaatttgctt atggaacctc ctcaaatttg ccatccgctg tatacagaaa aagcggAACG 1140  
 74 gtagattcgc tggatgaaat accgccacag aataacaacg tgccacctag gcaaggattt 1200  
 76 agtcatcgat taagccatgt ttcaatgttt cgttcaggct ttagtaatag tagtgtaaat 1260

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/434,105

DATE: 10/27/2006

TIME: 10:10:14

Input Set : A:\41785.txt

Output Set: N:\CRF4\10272006\H434105.raw

78 ataataagag ctcctatgtt ctcttggata catcgtagtg ctgagttcaa caacatcatc 1320  
 80 ccttcatcac aaatccacca aatcccactc accaagtcta ctaatcttgg ctctggaact 1380  
 82 tctgtcggtt aaggaccagg attacagga ggagatattc ttgcagaagac ttccacctggc 1440  
 84 cagatttcaa ccttaagagt aaatattact gcaccattat cacaagata tcgggtaaga 1500  
 86 attcgctacg cttctaccac aaaccttcag ttccacacat caattgacgg aagacctatt 1560  
 88 aatcagggga attttcagc aactatgagt agtggagta atttacagtc cggaagcttt 1620  
 90 aggactgttag gtttactac tcgcgttaac tttcaaatg gatcaagtgt atttacgtta 1680  
 92 agtgctcatg tcttcaattc aggcaatgaa gtttatata tag atcgaattga atttgttccg 1740  
 94 gca 1743  
 97 <210> SEQ ID NO: 2  
 98 <211> LENGTH: 1743  
 99 <212> TYPE: DNA  
 100 <213> ORGANISM: Artificial sequence  
 102 <220> FEATURE:  
 103 <223> OTHER INFORMATION: Native Blk HD-1 nucleotide sequence encoding Btk HD-1 toxin  
 104 protein (Cry1Ab) from amino acid 29-607 as described in Example 1  
 105 & set forth in the upper line of Figure 2, & includes synthetic  
 106 sequence encoding N-terminal Met-Ala  
 108 <400> SEQUENCE: 2  
 109 atggctataag aaactgggtt caccccaatc gatatttcct tgtcgctaac gcaatttctt 60  
 111 ttgagtgaat ttgttcccg tgctggattt gtgttaggac tagttgat aatatgggaa 120  
 113 attttggtc cctctcaatg ggacgcattt cttgtacaaa ttgaacagtt aattaaccaa 180  
 115 agaatagaag aattcgctag gaaccaagcc atttctagat tagaaggact aagcaatctt 240  
 117 tatcaaattt acgcagaatc ttttagagag tggaaagcag atcctactaa tccagcattt 300  
 119 agagaagaga tgcgtattca attcaatgac atgaacagtg cccttacaac cgctattcct 360  
 121 cttttgcag ttcaaaatta tcaagttcct ctttatcag tatatgttca agctgcaa 420  
 123 ttacatttat cagtttgag agatgttca gtgttggac aaaggtgggg attttagtgc 480  
 125 gcgactatca atagtcgttta taatgattt actaggctt ttggcaacta tacagatcat 540  
 127 gctgtacgct ggtacaatac gggatttagag cgtgtatggg gaccggattc tagagattgg 600  
 129 ataagatata atcaattttag aagagaatta acactaactg tattagat cgtttctcta 660  
 131 tttccgaact atgatagtag aacgtatcca attcgaacag tttcccaatt aacaagagaa 720  
 133 atttatacaa acccagtatt agaaaattt gatggtagtt ttcgaggctc ggctcagggc 780  
 135 atagaaggaa gtattaggag tccacattt atggatatac ttaatagttt aaccatctat 840  
 137 acggatgctc atagaggaga atattattgg tcagggcatc aaataatggc ttctcctgtt 900  
 139 gggtttcgg ggcagaatt cactttcgg ctatatggaa ctatggaaa tgcagctcca 960  
 141 caacaacgtt ttgttgcctca actaggtcag ggcgtgtata gaacattatc gtccacctta 1020  
 143 tatagaagac ctttaatat agggataaat aatcaacaac tatctgttct tgacgggaca 1080  
 145 gaatttgcct atggAACCTC ctcaaatttgc ccatccgctg tatacagaaa aagcggaaacg 1140  
 147 gtagattcgc tggatgaaat accgccacag aataacaacg tgccaccttgc gcaaggattt 1200  
 149 agtcatcgat taagccatgt ttcaatgtt cgttcaggct ttagtaatag tagtgttaatg 1260  
 151 ataataagag ctcctatgtt ctcttggata catcgtagtg ctgattaa taatataatt 1320  
 153 ctttcatcac aaattacaca aatacccttta acaaaatcta ctaatcttgg ctctggaact 1380  
 155 tctgtcggtt aaggaccagg attacagga ggagatattc ttgcagaagac ttccacctggc 1440  
 157 cagatttcaa ccttaagagt aaatattact gcaccattat cacaagata tcgggtaaga 1500  
 159 attcgctacg cttctaccac aaatttacaa ttccatacat caattgacgg aagacctatt 1560  
 161 aatcagggga attttcagc aactatgagt agtggagta atttacagtc cggaagcttt 1620  
 163 aggactgttag gtttactac tcgcgttaac tttcaaatg gatcaagtgt atttacgtta 1680  
 165 agtgctcatg tcttcaattc aggcaatgaa gtttatata tag atcgaattga atttgttccg 1740  
 167 gca 1743

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/08/434,105

DATE: 10/27/2006  
TIME: 10:10:14

Input Set : A:\41785.txt  
Output Set: N:\CRF4\10272006\H434105.raw

170 <210> SEQ ID NO: 3  
 171 <211> LENGTH: 1845  
 172 <212> TYPE: DNA  
 173 <213> ORGANISM: Artificial sequence  
 175 <220> FEATURE:  
 176 <223> OTHER INFORMATION: Synthetic sequence encoding Btk HD-1 insecticidal toxin protein  
 177 (Cry1Ab), described in Example 2, and set forth in the lower line of  
 178 Figure 3  
 180 <400> SEQUENCE: 3  
 181 atggacaaca acccaaacat caacgaatgc attccataca actgctttag taacccagaa 60  
 183 gttgaagtac ttgggtggaga acgcatttaca acccggttaca ctcccatcga catctccttg 120  
 185 tccttgacac agtttctgtc cagcgagttc gtgccagggtg ctgggttcgt tctcgacta 180  
 187 gttgacatca tctgggttat ctttggtcca tctcaatggg atgcatttctt ggtcaaatt 240  
 189 gagcagttga tcaaccagag gatcgaagag ttcgccagga accaggccat ctctaggtt 300  
 191 gaaggattga gcaatctcta ccaaacttat gcagagagct tcagagagtg ggaagccgat 360  
 193 cctactaacc cagctctccg cgaggaaatg cgtattcaat tcaacgcacat gaacagcgcc 420  
 195 ttgaccacag ctatcccatt gttcgcatc cagaactacc aagttccctt ctgtccgtg 480  
 197 tacgttcaag cagctaatctt tcacccatcgtt gtcgttgcgt acgttagctt gtttggccaa 540  
 199 aggtggggat tcgatgtgc aaccatcaat agccgttaca acgcaccttac taggtgtt 600  
 201 gaaaaactaca ccgaccacgc ttgtcggttgg tacaacactg gcttggagcg tgcttgggt 660  
 203 cctgattcta gagatggat tagataacaac cagttcagga gagaatttgc cctcacagtt 720  
 205 ttggacatttgc ttgtctctttt cccgaactat gactccagaa cctaccctat ccgtacagt 780  
 207 tcccaactta ccagagaaat ctatactaac ccagttcttgc agaacttgcg cggtagctt 840  
 209 cgtggttctg cccaaaggat cgaaggctcc atcaggagcc cacacttgc ggacatctt 900  
 211 aacagcataa ctatctacac cgatgtcac agaggagagt attactggtc tggacaccag 960  
 213 atcatggcct ctccagttgg attcagcggg cccgagtttta cctttccctt ctatggact 1020  
 215 atggaaaacg ccgctccaca acaacgttac gttgtcaac taggtcagggt tgcttacaga 1080  
 217 accttgttcc ccacccatcaga aagaagaccc ttcaatatcg gtatcaacaa ccagcaactt 1140  
 219 tccgttcttgc acggAACAGA gttcgcttat ggaaccttctt ctaacttgcg atccgcttgc 1200  
 221 tacagaaaaga gcgaaaccgt tgattccttgc gacggaaatcc caccacagaa caacaatgt 1260  
 223 ccacccaggc aaggatttgc ccacagggttgc agccacgttgc ccatgttccg ttccggattc 1320  
 225 agcaacagtt ccgtgagcat catcagagct cctatgttgc catggatca tcgttagtgc 1380  
 227 gagttcaaca atatcattcc ttccctctcaa atcaccctaa tcccatggac caagtctact 1440  
 229 aacccatggat ctggaaacttc tgctcgaaa ggaccaggct tcacaggagg tgatattctt 1500  
 231 agaagaactt ctcctggcca gattagcacc ctcagagtttgc acatcactgc accacttct 1560  
 233 caaagatattc gtgtcaggat tcgttacgca tctaccacta acttgcatttgc ccacacctcc 1620  
 235 atcgacggaa ggcctatcaa tcagggttac ttctccgcaat ccatgtcaag cggcagcaac 1680  
 237 ttgcaatccg gcagtttcag aaccgtcgttgc ttcaactactc ctttcaactt ctctaaacgg 1740  
 239 tcaagcggtt tcacccttgc cgctcatgttgc ttcaatttgc gcaatgaagt gtacatttgc 1800  
 241 cgtatttgcgtt ttgtgccttgc cgaaggatc ttgcaggcttgc agtac 1845  
 244 <210> SEQ ID NO: 4  
 245 <211> LENGTH: 1845  
 246 <212> TYPE: DNA  
 247 <213> ORGANISM: Artificial sequence  
 249 <220> FEATURE:  
 250 <223> OTHER INFORMATION: Native Btk HD1 nucleotide sequence encoding Btk HD-1 insecticidal  
 251 toxin protein (Cry1Ab), described in Example 2, and set forth in  
 252 the upper line of Figure 3  
 254 <400> SEQUENCE: 4

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/434,105

DATE: 10/27/2006

TIME: 10:10:14

Input Set : A:\41785.txt

Output Set: N:\CRF4\10272006\H434105.raw

255	atggataaca atccgaacat caatgaatgc attccttata attgttaag taaccctgaa	60
257	gtagaagtat taggtggaga aagaatagaa actggttaca ccccaatcgat tatttccttg	120
259	togctaacgc aatttctttt gagtgaattt gttcccggtg ctggatttgc gttaggacta	180
261	gttgatataa tatgggaat ttttggccc tctcaatggg acgcatttct tgtacaaatt	240
263	gaacagttaa ttaaccaaag aatagaagaa ttgcgttagga accaagccat ttcttagatta	300
265	gaaggactaa gcaatctta tcaaatttac gcagaatctt ttagagagtg ggaagcagat	360
267	cctactaattc cagcattaag agaagagatg cgtattcaat tcaatgcacat gaacagtgc	420
269	cttacaaaccg ctattccctt ttttgcaggtaaaaatttac aagttccctt tttatcgat	480
271	tatgttcaag ctgcaaaattt acatttatca gtttgagag atgtttcagt gtttggacaa	540
273	agtgccccat ttgatgccgc gactatcaat agtcgttata atgatttaac taggcttatt	600
275	ggcaactata cagatcatgc tgcgtctgg tacaatacgg gattagagcg tgcgtatggga	660
277	ccggattcta gagatggat aagatataat caatttagaa gagaattaac actaactgt	720
279	ttagatatcg ttctcttatt tccgaactat gatacttagaa cgtatccaat tcgaacagtt	780
281	tcccaattaa caagagaaat ttatcacaa ccagatttag aaaatttgc tgtagtttt	840
283	cgaggctcgg ctcaggccat agaaggaat attaggatc cacatttgc ggtatatactt	900
285	aatagtataa ccatttatac ggatgcgtcat agaggagaat attattggcc agggcatcaa	960
287	ataatggctt ctctgttagg gtttccggg ccagaattca ctttccgc atatggact	1020
289	atggggaaatg cagctccaca acaacgttattt gttgtcaac taggtcaggcg cgtgtataga	1080
291	acattatcgcc caccattata tagaagacat ttatataatggataaaataacta	1140
293	tctgttcttg acgggacaga atttgcattt ggaaccttctt caaatggcc atccgctgt	1200
295	tacagaaaaaa gcggaacggt agattcgtcg gatgaaatac cgccacagaa taacaacgt	1260
297	ccacctaggc aaggatttag tcattcgat agccatgtt caatgttgc ttccaggctt	1320
299	agtaatagta gtgttaagtat aataagagct cctatgttctt cttggatatac tcgtatgtct	1380
301	gaatttataata atataattcc ttcatcacaa attacacaaa tacctttaac aaaatctact	1440
303	aatcttggct ctggacttc tgcgtttaaa ggaccaggat ttacaggagg agatattctt	1500
305	cgaagaactt cacctggcca gatttcaacc ttaagagtaa atattactgc accattatca	1560
307	caaagatattc gggtaagaat tcgctacgct tctaccacaa atttacaatt ccatacatca	1620
309	attgacggaa gacattttaa tcaggggaaat ttttccggca ctatgatggat tggagtagat	1680
311	ttacagtccg gaagctttag gactgttagt ttactactc cgtttaactt ttcaaatgg	1740
313	tcaagtgtat ttacgttaag tgctcatgtc ttcaatttcg gcaatgaatg ttatataat	1800
315	cgaattgaat ttgtccggc agaagtaacc tttgaggcag aatat	1845
318	<210> SEQ ID NO: 5	
319	<211> LENGTH: 1921	
320	<212> TYPE: DNA	
321	<213> ORGANISM: Artificial sequence	
323	<220> FEATURE:	
324	<223> OTHER INFORMATION: Synthetic hybrid of first 1360 bases synthetic HD-1 linked	

to

325	modified HD-73 sequence, described in paragraph bridging pages 53-	
326	54, and as set forth in the lower line of Figure 4	
328	<400> SEQUENCE: 5	
329	atggacaaca accaaacat caacgaatgc attccatatac actgcttgcg taaccctgaa	60
331	gttgaagtac ttggggaga acgcatttgc accgttaca cttccatcgat catctccttg	120
333	tccttgacac agtttctgtc cagcgatgtc gtgcggatgt ctgggttgc tctcgacta	180
335	gttgacatca tctgggttat ctttgcgtca tctcaatggg atgcatttctt ggtcaaaatt	240
337	gaggatgttca accaccatgc gatcgaaatg ttgcgttgc accaggccat ctctaggttgc	300
339	gaaggatgttca accaccatgc gatcgaaatg ttgcgttgc accaggccat ctctaggttgc	360
341	cctactaacc cagctctccg cgaggaaatg cgtattcaat tcaacgcacat gaacagcgcc	420
343	ttgaccacatg ctatcccattt gttcgatgc cagaactacc aagttccctt cttgtccgt	480
345	tacgttcaag cagcttaatct tcacccatgc gtgcgttgc acgttagtgc gtttggccaa	540

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/434,105

DATE: 10/27/2006

TIME: 10:10:14

Input Set : A:\41785.txt

Output Set: N:\CRF4\10272006\H434105.raw

347	aggtggggat	tcgatgctgc	aaccatcaat	agccgttaca	acgacccattac	taggctgatt	600
349	ggaaactaca	ccgaccacgc	tgttcgttgg	tacaacactg	gcttggagcg	tgtctgggg	660
351	cctgattcta	gagattggat	tagataacaac	cagttcagga	gagaattgac	cctcacagtt	720
353	ttggacatttgc	tgtctcttt	cccgaactat	gactccagaa	cctaccctat	ccgtacagtgc	780
355	tcccaactta	ccagagaaat	ctatactaacc	ccaggcttgc	agaacttcga	cggttagctc	840
357	cgtgggtctgc	cccaaggtat	cgaaggctcc	atcaggagcc	cacacttgat	ggacatcttgc	900
359	aacagcataa	ctatctacac	cgatgctcac	agagggaggt	attactggtc	tggacaccag	960
361	atcatggcct	ctccagttgg	attcagcggg	cccgagtttgc	ccttcctct	ctatggact	1020
363	atggaaaacgc	ccgctccaca	acaacgtatc	gttgcctaac	taggtcaggg	tgtctacaga	1080
365	accttgtctt	ccacccgttgc	cagaagaccc	ttcaatatcg	gtatcaacaa	ccagcaacttgc	1140
367	tccgttcttgc	acggAACAGA	gttgccttat	ggaaccttgc	ctaacttgcc	atccgctgttgc	1200
369	tacagaaaaga	ggggAACCGT	tgattccttgc	gacggaaatcc	caccACAGAA	caacaatgtgc	1260
371	ccacccaggc	aaggattctc	ccacagggttgc	agccacgtgt	ccatgttccg	ttccggatttgc	1320
373	agcaacagtt	ccgtgagcat	catcagagat	cctatgttgc	cttggatatac	ccgttagtgct	1380
375	gagttcaaca	acatcatcg	atccgatagt	attactcaaa	tccctgcagt	gaagggaaac	1440
377	tttctcttca	acggttctgt	catttcagga	ccaggattca	ctgggtggaga	cctcggttgc	1500
379	ctcaacagca	gtggaaataa	cattcagaat	agagggtata	ttgaagttcc	aattcacttc	1560
381	ccatccacat	ctaccagata	tagagttcgt	gtgaggtatg	cttctgtgac	ccctatttac	1620
383	ctcaacgttgc	attgggttaa	ttcatccatc	ttctccaaata	cagttccagc	tacagctacc	1680
385	tccttggata	atctccaatc	cagcgatttgc	ggttactttgc	aaagtgc	tgctttaca	1740
387	tcttcactcg	gtaacatcg	gggtgttaga	aactttatgc	ggactgcagg	agtgattatc	1800
389	gacagattcg	agttcattcc	agttactgca	acactcgagg	ctgaatataa	tctggaaaga	1860
391	gcccggaaagg	cggtaatcg	ctgtttacgt	ctacaaacca	gcttggactc	aagacaaatgc	1920
393	g						1921
396	<210>	SEQ ID NO:	6				
397	<211>	LENGTH:	1921				
398	<212>	TYPE:	DNA				
399	<213>	ORGANISM:	Artificial sequence				
401	<220>	FEATURE:					
402	<223>	OTHER INFORMATION:	Native Bt nucleotide sequence encoding N-terminal 450 HD-1				
(Cry1Ab)							
403	amino acids and 451-615 of Bkt HD73 (Cry1Ac) described in Example 3						
404	and as set forth in the upper line of Figure 4						
406	<400>	SEQUENCE:	6				
407	atggataaca	atccgaacat	aatgaatgc	attccattata	attgtttaag	taaccctgaa	60
409	gtagaagtt	taggtggaga	aagaatagaa	actggttaca	ccccaaatcg	tatttccttgc	120
411	tcgctaacgc	aatttttttgc	gagtgaatttgc	gttcccggttgc	ctggattttgt	gtttaggacta	180
413	gttgatataa	tatgggaat	ttttggtccc	tctcaatggg	acgcattttc	tgtacaaatttgc	240
415	gaacagttaa	ttaacccaaag	aatagaagaa	ttcgtctagga	accaaggccat	ttcttagatttgc	300
417	gaaggactaa	gcaatcttgc	tcaaatttac	gcagaatcttgc	tttagagatgt	ggaagcgat	360
419	cctactaattc	cagcattaag	agaagagatgc	cgttattcaat	tcaatgcacat	gaacagtgcc	420
421	cttacaaccgc	ctattccttgc	ttttgcatttgc	aaaaatttac	aagttcccttgc	tttatcgttgc	480
423	tatgttcaag	ctgcaatttgc	acatttatac	gttttgagatgc	atgtttcgttgc	gtttggacaa	540
425	aggtggggat	ttgatgccgc	gactatcaat	agtcgttata	atgatatttac	taggttattgc	600
427	ggcaactata	caagatcatgc	tgtacgcttgc	tacaatacgg	gattagagcg	tgtatgggg	660
429	ccggatttcta	gagattggat	aagatataat	caatttagaa	gagaatttaac	actaactgttgc	720
431	ttagatatac	tttctcttgc	tccgttactat	gatagtagaa	cgtatccat	tcgaacagttgc	780
433	tcccaattaa	caagagaaat	ttatacaaaac	ccagatttag	aaaattttgttgc	tggtagtttgc	840
435	cgaggctcg	ctcaggccat	agaaggaat	attaggatgc	cacatttgat	ggatataacttgc	900
437	aatagtataa	ccatctatac	ggatgctcat	agaggagaat	attattggtc	agggcatcaa	960

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/08/434,105

DATE: 10/27/2006

TIME: 10:10:15

Input Set : A:\41785.txt

Output Set: N:\CRF4\10272006\H434105.raw

L:1914 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23